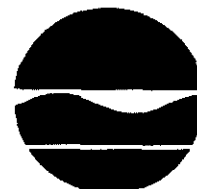


New York State Department of Environmental Conservation
Division of Fish, Wildlife and Marine Resources
Wildlife Pathology Unit
108 Game Farm Road, Delmar, NY 12054



Erin Crotty
Commissioner

MEMORANDUM

TO: Dave Odell
FROM: Ward Stone
SUBJECT: Gray Squirrel (01-45-33)
DATE: April 22, 2002

Personal privacy information

The following is a summary of history and findings for this case.

History: This gray squirrel was the second squirrel found dead in a week by [REDACTED] [REDACTED]. This juvenile male was found dead on August 1, 2001 at [REDACTED], Town of Avon, (Livingston County), New York and was received from DEC Region 8 on November 7, 2001.

Findings: A juvenile, male gray squirrel in good flesh, with a gross weight of 441 grams. Maggots were present on the carcass. The hair was slipping. The squirrel had a pale liver, the shoulder muscles were pale, the bladder was hemorrhagic, bloody fluid was present in the thorax, and the heart contained a small amount of watery blood. The gross pathological findings are suggestive of an anticoagulant rodenticide. The liver, brain, and stomach contents (finely ground brown material) were taken for potential toxicology.

Toxicology (See attached laboratory report(s) from the Illinois Department of Agriculture, Bureau of Animal Disease Laboratory, Centralia, Illinois): The anticoagulant Brodifacoum was present at 3.45 ppm.

Diagnosis: Brodifacoum poisoning.

Comments: Brodifacoum is a common cause of death in gray squirrels. The squirrels appear to have disappeared from Doolin's neighborhood, and Brodifacoum may be an important reason for this happening.


Wildlife Pathologist

WBS:rd

cc: J. Mastrotta (USEPA)
K. Converse
L. Skinner
Toxicant Binder

Diagnostic findings may not be used for publication without the pathologist's knowledge and consent.

ISB rec'd
5/13/2002



Illinois
Department of
Agriculture

Bureau of Animal Disease Laboratory

NECROPSY
FILE

GEORGE H. RYAN, GOVERNOR
JOE HAMPTON, DIRECTOR

PHONE: 618-532-6701

FAX: 618-532-1195

ANIMAL DISEASE LABORATORY
9732 SHATTUC ROAD
CENTRALIA, ILLINOIS 62801

TOXICOLOGY DEPARTMENT REPORT

VETERINARIAN

OWNER

NEW YORK WILDLIFE
108 GAME FARM RD
DELMAR

NY 12054

NEW YORK WILDLIFE 01-45-33

ACCESSION
NUMBER:

2002010620

DATE

REPORTED: 03/29/2002

DATE

RECEIVED: 03/21/2002

SPECIMEN

RECEIVED: 01-45-33 GREY-SQUIRREL LIVER

TEST

REQUESTED: ANTICOAGULANT SCREEN

RESULTS:

SPECIES:

ANTICOAGULANTS

BRODIFACOUM - 3.45 ppm

ALL OTHER ANTICOAGULANTS - NONE DETECTED

THE FOLLOWING TOXINS ARE INCLUDED IN THE ANTICOAGULANT SCREEN

FUMARIN
RACUMIN
WARFARIN
COUMACHLOR
DIFENACOUM
BRODIFACOUM

DIPHACINONE
PINDONE
VALONE
CHLOROPHACINONE
BROMADIOLONE
DIFETHIALONE

CHEMIST

APPROVED

LABORATORY
SUPERVISOR

J. J. Halloran
J. Hampton
Steve Kastin KC